



JFW

PATENT  
81788.0265

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

TANAKA, et al.

Serial No: 10/786,960

Filed: February 25, 2004

For: Method for Controlling Non-Volatile  
Semiconductor Memory System

Art Unit: 2186

Examiner: Not Assigned

**TRANSMITTAL OF POWER OF ATTORNEY**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is the following:

- ☒ An executed Power of Attorney (PTO/SB/81)
- ☒ Statement Under 37 CFR 3.73(b) (PTO/SB/96)
- ☒ A copy of the Assignment
- ☒ A copy of the Recordation Form Cover Letter
- ☒ A copy of the Notice of Recordation of Assignment Document

The Commissioner is authorized to charge any underpayment to our Deposit Account No. 50-1314. A copy of this letter is enclosed.

Respectfully submitted,

Date: April 5, 2005

By: 

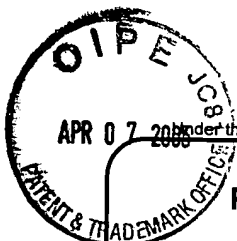
Lawrence J. McClure

Registration No. 44,228

Attorney for Applicant(s)

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:  
Commissioner for Patents  
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Name  
April 5, 2005  
Date  
Signature

HOGAN & HARTSON L.L.P.  
500 South Grand Avenue, Suite 1900  
Los Angeles, California 90071  
Phone: 213-337-6700  
Fax: 213-337-6701



PTO/SB/81 (11-04)

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**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	10/786,960
Filing Date	February 25, 2004
First Named Inventor	Yoshiyuki TANAKA
Title	Method for Controlling...
Art Unit	2186
Examiner Name	Not Assigned
Attorney Docket Number	81788.0265

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☒ Practitioners associated with the Customer Number:

26021

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

OR


<input type="checkbox"/> Firm or Individual Name				
Address				
City		State		Zip
Country				
Telephone		Fax		

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

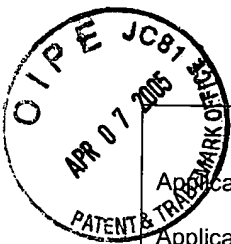
Signature		Date	March 25, 2005
Name	Taisuke KATO	Telephone	
Title and Company	General Manager of Intellectual Property Division, KARIUSHIKI KATSHA TOSHIBA		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ \*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: TANAKA, et al.

Application No./Patent No.: 10/786,960 Filed/Issue Date: February 25, 2004

Entitled: Method for Controlling Non-Volatile Semiconductor Memory System

KABUSHIKI KAISHA TOSHIBA, a Corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- 1. ☒ the assignee of the entire right, title, and interest; or
- 2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is [PERCENTAGE]%

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel [REEL NUMBER], Frame [FRAME NUMBER], or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

- 1. From: [ASSIGNOR] To: [ASSIGNEE]  
The document was recorded in the United States Patent and Trademark Office at Reel [REEL], Frame [FRAME], or for which a copy thereof is attached.
- 2. From: [ASSIGNOR] To: [ASSIGNEE]  
The document was recorded in the United States Patent and Trademark Office at Reel [REEL], Frame [FRAME], or for which a copy thereof is attached.
- 3. From: [ASSIGNOR] To: [ASSIGNEE]  
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☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

March 25, 2005

Date

Taisuke KATO

Printed or Typed Name

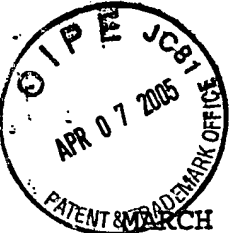
Telephone Number

General Manager of Intellectual Property Division

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 122 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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5702 AD. 6844  
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WHW 742



MARCH 08, 1999

PTAS

LOEB & LOEB LLP  
WILLIAM H. WRIGHT, ESQ.  
10100 SANTA MONICA BLVD., 22ND FLOOR  
LOS ANGELES, CA 90067-4164

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/16/1998

REEL/FRAME: 9585/0261  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
TANAKA, YOSHIYUKE

DOC DATE: 09/30/1998

ASSIGNOR:  
YATABE, MAKOTO

DOC DATE: 09/30/1998

ASSIGNOR:  
SATO, TAKEAKI

DOC DATE: 09/30/1998

ASSIGNOR:  
KAWAMOTO, KAZUYA

DOC DATE: 09/30/1998

ASSIGNEE:  
KABUSHIKI KAISHA TOSHIBA  
72, HORIKAWA-CHO, SAIWAI-KU  
KAWASAKI-SHI, KANAGAWA-KEN, JAPAN

SERIAL NUMBER: 09130818  
PATENT NUMBER:

FILING DATE: 08/07/1998  
ISSUE DATE:

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9585/0261 PAGE 2

SHAREILL COLES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

11-19-1998



Attorney Docket No.: 5702D-6844

100903731

To the Assistant Commissioner for Patents, U.S. Department of Commerce, Patent and Trademark Office, Washington, D.C. 20231, for recording with required cover sheet information to: Assistant Commissioner for Patents, Box Assignments, Washington, D.C. 20231

1. Name of conveying party(ies):

Yoshiyuki TANAKA  
Makoto YATABE  
Takeaki SATO  
Kazuya KAWAMOTO

2. Name and address of receiving party(ies):

KABUSHIKI KAISHA TOSHIBA  
72, Horikawa-cho, Saiwai-ku  
Saitama-shi, Kanagawa-ken, Japan

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

Execution Date (ALL INVENTORS) September 30, 1998

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) 09/130,818

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

William H. Wright, Esq.  
LOEB & LOEB LLP  
10100 Santa Monica Blvd., 22nd Floor  
Los Angeles, CA 90067-4164

6. Total number of applications and patents involved: [ 1 ]

7. Total fee (37 CFR 3.41).....\$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

12-1820

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Date: November 10, 1998

William H. Wright Reg. No. 38,312

OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with required cover sheet information to:

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11/18/1998 JMWTKINS 00000062 09130818

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# **ASSIGNMENT**

Attorney Docket No. 5702D-6844

(1-8) Insert Name(s) of Inventor(s)

(1) Yoshiyuki TANAKA

(5) \_\_\_\_\_

(2) Makoto YATABE

(6) \_\_\_\_\_

(3) Takeaki SATO

(7) \_\_\_\_\_

(4) Kazuya KAWAMOTO

(8) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert name of Assignee

(9) KABUSHIKI KAISHA TOSHIBA

(10) Insert state of Incorporation of Assignee

(10) an Incorporation of Japan

(11) Insert address of Assignee

72, Horikawa-cho, Saiwai-ku, Kawasaki-shi,  
(11) of Kanagawa-ken, Japan  
(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(12) Insert identification of Invention, such as Title, Case Number or Foreign Application Number

(12) METHOD FOR CONTROLLING NON-VOLATILE SEMICONDUCTOR  
(Case No. ) MEMORY SYSTEM  
for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

(13) Insert Date of Signing of Application

(13) on September 30, 1998

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not execute, any agreement in conflict herewith.

6) The undersigned hereby appoints STUART LUBITZ, Reg. No. 20,680; LOUIS A. MOK, Reg. No. 22,585; JOHN P. SCHERLACHER, Reg. No. 23,009; MICHAEL J. RAM, Reg. No. 26,379; HIDEO KODA, Reg. No. 27,729; R. DABNEY EASTHAM, Reg. No. 31,247; GARY D. MANN, Reg. No. 34,867; SONG K. JUNG, Reg. No. 35,210; WILLIAM H. WRIGHT, Reg. No. 36,312; PETER J. GLUCK, Reg. No. 38,022; JONATHAN Y. KANG, Reg. No. 38,199; DAVID L. LUBITZ, Reg. No. 38,229; WEI-NING YANG, Reg. No. 38,690 the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Sept. 30, 1998

Signature of Inventor

Yoshiyuki Tanaka

Date: Sept. 30, 1998

Signature of Inventor

Makoto Yatabe

Date: Sept. 30, 1998

Signature of Inventor

Takeaki Sato

Date: Sept. 30, 1998

Signature of Inventor

Kazuya Kawamoto